

The Human Disease Project

Objective

You have recently graduated from college and have just landed your first fulltime job! Thanks to your extensive science background, you have been hired as a Youth Educator by the **Toronto Health Organization** (THO). Your position requires you to research diseases that affect members of the community and present your work to students within the Toronto District School Board.

Task

Your supervisors at the Toronto Health Organization, Drs. Cioppa, Flynn, Harrington and Tiboldo, have just given your group your first assignment:

On Thursday April 17th, you will visit the seventh grade Life Science classrooms at West Hill Middle School and speak to the students about a disease that affects the human body.

Your supervisors will allow you to choose which disease you will present from a list - the disease that you select may be one that is present among the community of Toronto, or possibly found within some of the families of the students whom you will be presenting to. Either way, your supervisors have high expectations for your group:

- Your presentation should be informative
- You should present your material in a manner that 13 - 14 year olds can understand
- Your presentation should be interesting and hold the attention of your middle school audience
- You must leave informative material behind with the students

Process

Drs. Cioppa, Flynn, Harrington and Tiboldo are allowing you to choose how you wish to present the 7th grade Life Science students with the information on your human disease. Though you must orally present what you have researched, you are also required to leave informative material behind for the students to review later. Your supervisors present you with four options:

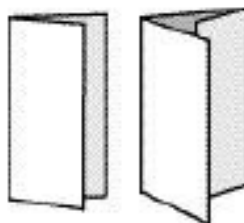
1. Tri-Fold
2. Brochure
3. PowerPoint
4. Presentation Poster Written Report

Each option must include the following information about your disease:

- A basic description of the disease
- A brief history of the disease
- Age group/gender/cultural group most affected by this disease
- The symptoms of the disease
- How the body is affected by the disease
- Cures or treatments for the disease
- What causes the disease (how can a person get it)
- How a person's daily life is affected by the disease
- Number of Americans affected by the disease

You will be required to complete a research organizer to record the information that you have collected.

TRI-FOLD BROCHURE



Your health brochure can be completed in one of two ways:

- Using a computer program, such as Microsoft Publisher
- By hand, using heavy-duty construction paper or oak tag

Layout:

Your health brochure should include a cover, 4 sections of information and the back. Each section should have both written information, pictures, photos or clip art that correspond to the text. The brochure must be arranged as follows:

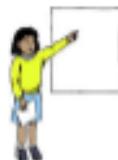
Inside

<u>Section 1</u>	<u>Section 2</u>	<u>Section 3</u>
~Brief history of the disease	~Symptoms of the disease ~How the disease affects the body	~How the disease affects a person's daily life ~Prevention of the disease ~Cures or treatments of the disease

Outside

<u>Section 4</u>	<u>Back</u>	<u>Cover</u>
~Basic description of the disease	Websites or places where students can obtain additional information.	~Name of disease
~Cause of the disease		~Student name
~Age group, gender, cultural group most affected by disease		~Class Period
		~Pictures, photos, clip art

PowerPoint



Your PowerPoint presentation should be used as a tool to guide you through your presentation to the 7th grade science classes. You must also provide a printed copy of the slides for the teacher.

Layout:

Your slideshow must include at least 10 slides, but not exceed 15 slides. Slides must include both written information and pictures, photos or clipart that corresponds to the text.

Use the guide below to help you layout your slides:

Slide 1	Title	Name of disease Student name Class period
Slide 2	Information	Basic description of disease
Slide 3	Information	Cause of disease
Slide 4	Information	Age group, gender, cultural group most affected by disease
Slide 5	Information	Brief history of disease
Slide 6	Information	Symptoms of disease
Slide 7	Information	How the disease affects the body
Slide 8	Information	How the disease affects a person's daily life
Slide 9	Information	Cures or treatments Prevention of the disease
Slide 10	Resources	Website addresses or places where students can find more information about the disease

http://mset.rst2.edu/portfolios/t/tiboldo_c/HMS/HumanDiseaseProject/Index.htm

POSTER



You may choose to leave an informative poster with the students after you have presented information about the disease you chose. A poster is a wonderful choice, since it can be hung in the hallway for the students to review as they walk to class.

Layout:

Your informative poster must adhere to the following guidelines:

- Be presented on a larger size poster board (greater than 8x11 printer paper)
- Name of the disease researched must be highly visible
- Name of student and class period must be written in bottom right corner of poster
- Include the written information outlined in the research organizer
- Include pictures, photos or clip art that correspond to the text
- Information should either be typed and pasted onto poster or *extremely* neatly written in pen on poster
- Pencil marks should not be visible

http://mset.rst2.edu/portfolios/t/tiboldo_c/HMS/HumanDiseaseProject/Index.htm

WRITTEN REPORT



You may choose to leave a 4 - 5 page typed report with the students after you present your information to them. Your report must include all of the information outlined on your research organizer.

Layout:

Your report must adhere to the following guidelines:

- 4-5 pages in length
- Typed in Microsoft Word
- Formatted with Arial font in size 12
- Double-spaced

Note: All reports must be written using the words of the student. Plagiarism is a serious offense that violates the Hackensack Middle School Code of Conduct. It is also very easy for a teacher to catch; any violations will be handled with the strictest administrative consequences.

Use the guide below to help you layout your report:

Page 1	Cover page	Name of disease Student name Class period
Page 2	Information	Basic description of disease Cause of disease
Page 3	Information	Age group, gender, cultural group most affected by disease
Page 4	Information	Brief history of disease Symptoms of disease How the disease affects the body How the disease affects a person's daily life Cures or treatments Prevention of the disease
Page 5	Resources	Website addresses, books or magazines that were used to obtain information for the report

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Reference

Project derived from <http://shellyssciencepot.com/HumanDiseaseProject/Project%20Layout.pdf>